

CLAIM AMENDMENTS

Please amend the claims as follows:

Claims 1-10 (canceled)

Claim 11 (new):

11. A method for reducing interblock interference (IBI) in a signal transmitted in a communications channel by determining an optimum time of reference (TOR) for an impulse response of the communications channel, wherein the method comprises the steps of:

generating a windowing function based on points along tails of the impulse response contributing non-uniform amounts of interblock interference;
generating a time of reference (TOR) function based on the windowing function;
determining an output value for the TOR function; and
identifying the optimum TOR as the location of the output value.

Claim 12 (new):

12. The method as recited in claim 11, wherein the impulse response includes a main lobe and at least one tail, and wherein the windowing function generating step further comprises generating a windowing function based on the contribution of terms within the at least one tail of the impulse response increasing linearly with the distance of the terms from the main lobe of the impulse response.

Claim 13 (new):

13. The method as recited in claim 11, wherein the impulse response includes a main lobe and at least one tail, and wherein the windowing function generating step further comprises generating a windowing function based on the main lobe not contributing the interblock interference.

Claim 14 (new):

14. The method as recited in claim 11, wherein the TOR function generating step further comprises reducing a cross-correlation between the windowing function and the square of the impulse response.

Claim 15 (new):

15. The method as recited in claim 11, further comprising, after the identifying step, the step of supplementally filtering, at least once, the signal transmitted by the communications channel.

Claim 16 (new):

16. The method as recited in claim 11, wherein the method is performed within a transceiver module, wherein the transceiver module includes the communications channel and transmits the signal on the communications channel.

Claim 17 (new):

17. The method as recited in claim 11, wherein the method is performed within a discrete multi-tone (DMT) transceiver module, wherein the DMT transceiver module includes the communications channel and transmits the signal on the communications channel.